



40435 – Mayflower Pipeline Incident

ExxonMobil

Summary of Air Monitoring

Conducted by CTEH

April 02, 2013 - 24 hour period

Note: The information provided below has not been processed by the QAQC department.

Table 1
Community Summary of Manual Real-Time Air Monitoring

Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	20	0	N/A	< 0.05 ppm
Ethyl Benzene	3	0	N/A	< 1 ppm
Hydrogen Sulfide	56	0	N/A	< 1 ppm
LEL	11	0	N/A	< 1 %
VOC	146	1	0.2 ppm	0.2 ppm
Xylene	1	0	N/A	< 1 ppm

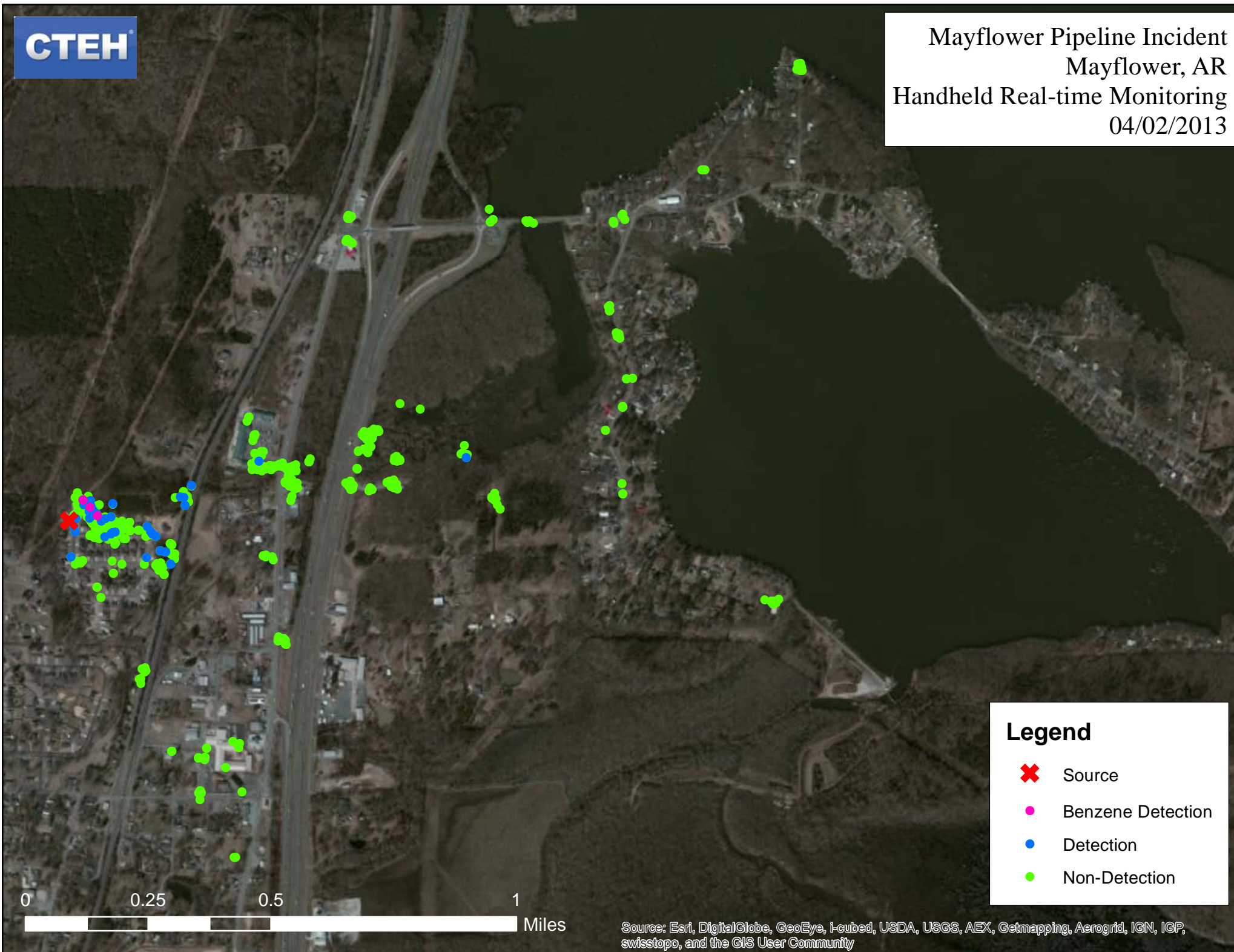
Table 2
Work Area Summary of Manual Real-Time Air Monitoring

Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	66	3	0.2	0.3 ppm
Hydrogen Sulfide	141	0	N/A	< 1 ppm
Hexane	4	0	N/A	< 1 ppm
LEL	136	0	N/A	< 1 %
Toluene	4	0	N/A	< 1 ppm
VOC	177	35	1.9 ppm	14.9 ppm*
Xylene	4	0	N/A	< 1 ppm

Table 3
Summary of AreaRAE Real-Time Air Monitoring

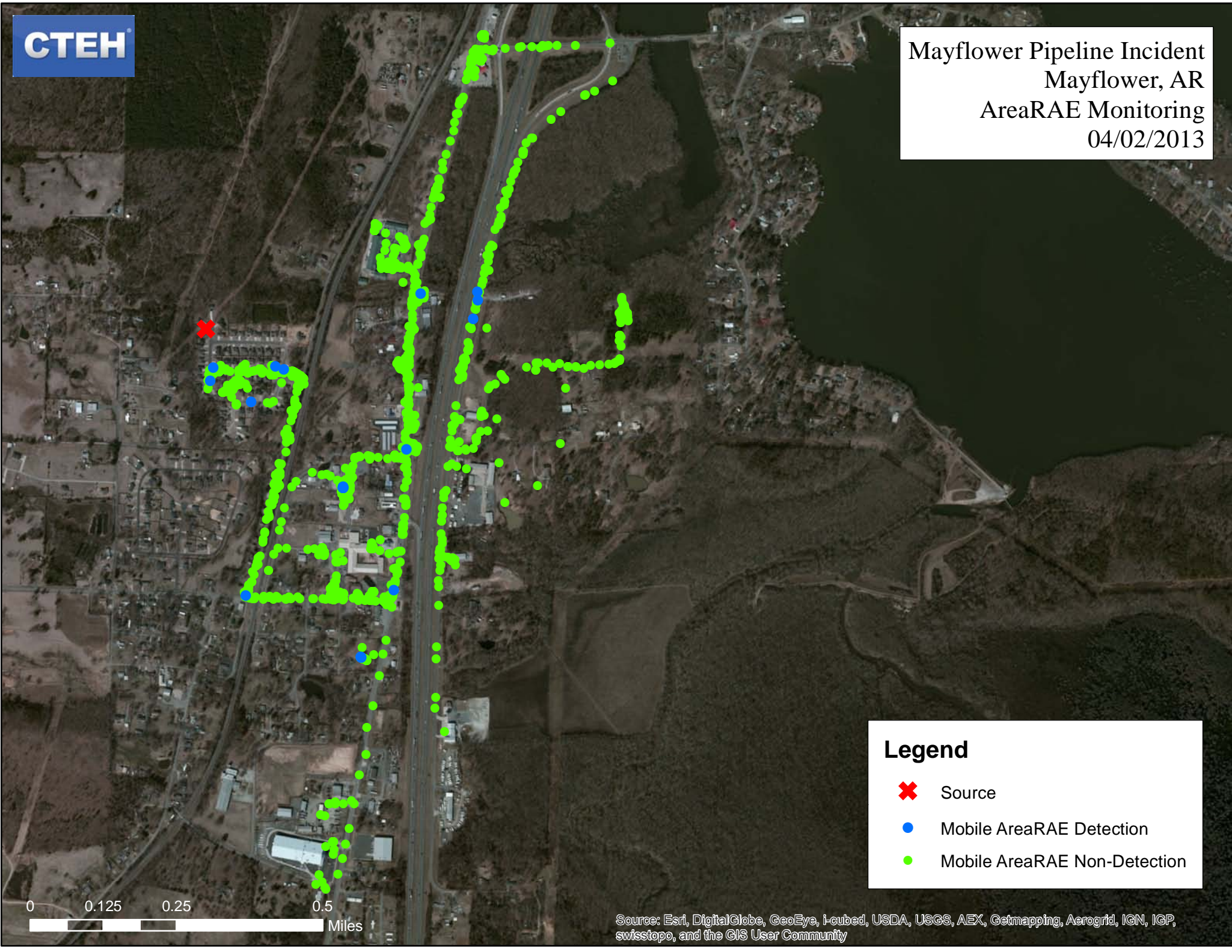
Unit	Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
RTU_1 mobile	Hydrogen Sulfide	3561	0	N/A	< 0.1 ppm
	LEL	3561	0	N/A	< 1 %
	VOC	3561	22	0.1 ppm	0.5 ppm
RTU_5 fixed	Hydrogen Sulfide	3984	0	N/A	< 0.1 ppm
	LEL	3984	0	N/A	< 1 %
	VOC	3984	0	N/A	< 0.1 ppm
RTU_6 fixed	Hydrogen Sulfide	4909	0	N/A	< 0.1 ppm
	LEL	4909	0	N/A	< 1 %
	VOC	4909	159	0.1 ppm	0.5 ppm

*Details of elevated chemical detections are provided at the end of this document



Legend

- ✖ Source
- Benzene Detection
- Detection
- Non-Detection



Legend

- ✖ Source
- Mobile AreaRAE Detection
- Mobile AreaRAE Non-Detection

0 0.125 0.25 0.5 Miles

14.9 ppm VOC detected at 16:24 on 04/02/2013 in work area

Field Data

Project number: 40435
Reading date: 2013/04/02 16:24
Latitude: 34.965024
Longitude: -92.423323
Distance From Site: 0.03
Location description: 44 shade tree ln
Indoor/Outdoor: Outdoor
Instrument: MultiRAE
Instrument barcode: 12415
Matrix: Air
Analyte: VOC
Concentration: 14.9
Units: ppm
Exhaust fumes odor; Exhaust fumes present; Crude oil
Comments: odor; Visible Oil; Area evacuated; Residence; Workers present;
Initials: Anthony Williams
Additional comments: excavation is ongoing.
Detection limit: 0.1
Gps method: Automatic
Guid: 5D92177C-E3C8-44B2-90E3-0461D9ACE49B
Created: 2013/04/02 16:24



10.9 ppm VOC detected at 15:22 on 04/02/2013 in work area

Field Data

Project number: 40435
Reading date: 2013/04/02 15:22
Latitude: 34.965115
Longitude: -92.417223
Distance From Site: 0.31
Location description: Bayou South Bank Clean-up
Indoor/Outdoor: Outdoor
Instrument: MultiRAE
Instrument barcode: 12239
Matrix: Air
Analyte: VOC
Concentration: 10.9
Units: ppm
Vac Trucks Present; Crude oil odor; Visible Oil; Workers present; Moderate Odor;
Initials: Tommy Arnold
LEAD was contacted. No Benzene, H2S, or LEL detected.
Additional Reading was in contaminated water where workers are raking weeds and grass and using shovels to move product to suction pipe. vac truck +/- 600 ft away.
Detection limit: 0.1
Gps method: Automatic

